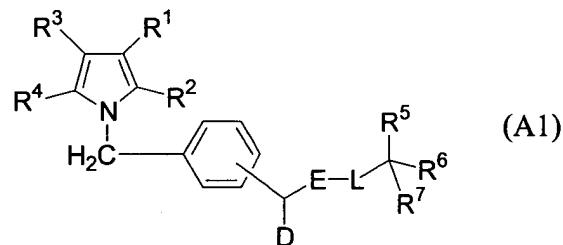


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

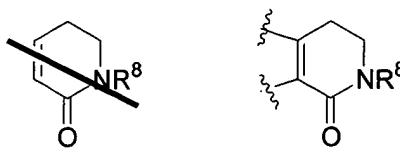
Listing of Claims:

1. (Currently amended) A method for the prophylaxis or treatment of cardiovascular diseases which comprises administering an effective amount of a combination of component A and component B, component A being at least one MTP inhibitor of the general formula (A1)



in which

R^1 and R^2 , including the double bond connecting them, together form a phenyl or pyridyl ring or a ring of the formula



in which

R^8 denotes hydrogen or straight-chain or branched alkyl having up to 4 carbon atoms,

R^3 and R^4 , including the double bond connecting them, together form a phenyl ring or a 4- to 8-membered cycloalkene or oxocycloalkene radical,

all ring systems mentioned under R^1/R^2 and R^3/R^4 optionally being substituted up to 3 times, identically or differently, by halogen, trifluoromethyl, carboxyl, hydroxyl, by straight-chain or branched alkoxy or alkoxy carbonyl each having up to 6 carbon atoms or by straight-chain or branched alkyl having up to 6 carbon atoms, which for its part can be substituted by hydroxyl or by straight-chain or branched alkoxy having up to 4 carbon atoms,

D represents hydrogen, cycloalkyl having 4 to 12 carbon atoms or straight-chain or branched alkyl having up to 12 carbon atoms,

E represents the -CO- or -CS- group,

L represents an oxygen or sulphur atom or a group of the formula $-NR^9$,

in which

R^9 denotes hydrogen or straight-chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl or phenyl,

R^5 denotes phenyl or a 5- to 7-membered saturated or unsaturated heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O,

the cyclic systems optionally being substituted up to 3 times, identically or differently, by nitro, carboxyl, halogen, cyano or by straight-chain or branched

alkenyl or alkoxycarbonyl each having up to 6 carbon atoms or by straight-chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl, carboxyl or by straight-chain or branched alkoxy or alkoxycarbonyl each having up to 6 carbon atoms,

and/or the cyclic systems optionally being substituted by a group of the formula -OR¹⁰ or -NR¹¹R¹²,

in which

R¹⁰ denotes hydrogen or straight-chain or branched alkyl or alkenyl each having up to 6 carbon atoms,

R¹¹ and R¹² are identical or different and denote phenyl, hydrogen or straight-chain or branched alkyl having up to 6 carbon atoms or straight-chain or branched acyl having up to 8 carbon atoms, which is optionally substituted by a group of the formula -NR¹³R¹⁴,

in which

R¹³ and R¹⁴ are identical or different and denote hydrogen or straight-chain or branched acyl having up to 8 carbon atoms,

R⁶ represents hydrogen, carboxyl or straight-chain or branched alkoxycarbonyl having up to 5 carbon atoms, or represents straight-chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl or by a group of the formula -O-CO-R¹⁵,

in which

R^{15} denotes phenyl which is optionally substituted up to 3 times, identically or differently, by halogen, hydroxyl or by straight-chain or branched alkyl having up to 5 carbon atoms,
or denotes straight-chain or branched alkyl or alkenyl each having up to 22 carbon atoms, each of which is optionally substituted by a group of the formula $-OR^{16}$,

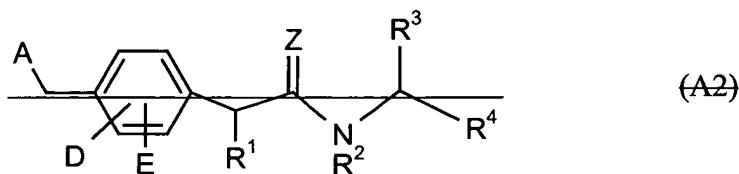
in which

R^{16} denotes hydrogen, benzyl, triphenylmethyl or straight-chain or branched acyl having up to 6 carbon atoms,

R^7 represents hydrogen or

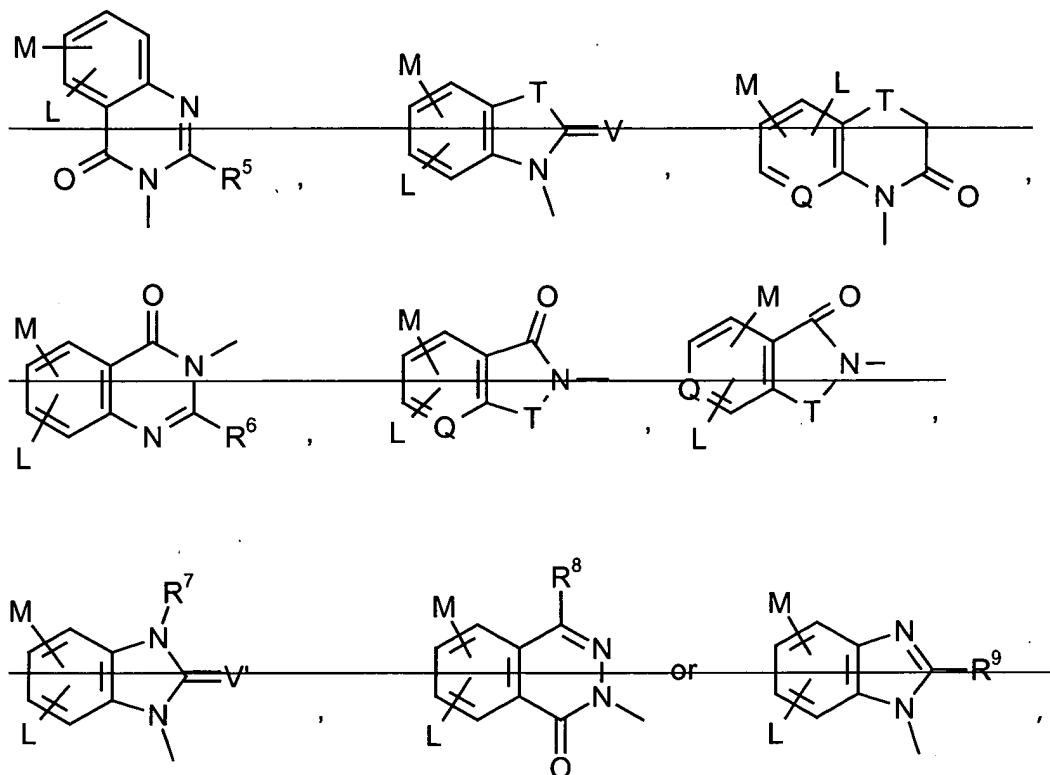
R^6 and R^7 together represent the group of the formula $=O$,

or of the general formula (A2)



in which

A represents a radical of the formula



in which

L and M are identical or different and

denote hydrogen, halogen, trifluoromethyl, carboxyl, cycloalkyl having 3 to 6 carbon atoms, hydroxyl, phenyl or straight chain or branched alkyl, alkoxy carbonyl or alkoxy each having up to 6 carbon atoms,

Q denotes a nitrogen atom or the CH group,

T denotes a group of the formula SO₂ or CO or an oxygen or sulphur atom,

V denotes an oxygen or sulphur atom,

~~R⁵, R⁶, R⁷ and R⁸ are identical or different and~~

~~denote hydrogen, or straight chain or branched alkyl having up to 6 carbon atoms, benzyl or phenyl, each of which is optionally substituted by halogen or by straight chain or branched alkyl having up to 6 carbon atoms,~~

~~R⁹ denotes trifluoromethyl, benzyl or a 5 to 7 membered, optionally benzo-fused heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, which is optionally substituted up to 3 times, identically or differently, by halogen, phenyl, hydroxyl or by straight chain or branched alkyl or alkoxy each having up to 4 carbon atoms, or~~
~~denotes a group of the formula S(O)_a-R¹⁰,~~

in which

~~a denotes a number 0, 1 or 2,~~

~~R¹⁰ denotes straight chain or branched alkyl or alkenyl each having up to 8 carbon atoms, each of which is optionally substituted by straight chain or branched acyl having up to 6 carbon atoms or by aryl or aroyl each having up to 10 carbon atoms, which for their part can be substituted up to 2 times, identically or differently, by halogen, trifluoromethyl or by straight chain or branched acyl having up to 5 carbon atoms, or~~
~~denotes aryl having 6 to 10 carbon atoms, which is optionally substituted by halogen, hydroxyl, trifluoromethyl or straight chain or branched alkyl or alkoxy each having up to 5 carbon atoms,~~

D and E are identical or different and

represent hydrogen, halogen, trifluoromethyl, hydroxyl, carboxyl or straight chain or branched alkyl, alkoxy or alkoxy carbonyl each having up to 6 carbon atoms,

Z represents an oxygen or sulphur atom,

R¹ represents cycloalkyl having 3 to 10 carbon atoms or straight chain or branched alkyl having 1 to 10 carbon atoms, or represents phenyl which is optionally substituted up to 2 times, identically or differently, by halogen, nitro, cyano, hydroxyl, straight chain or branched alkyl or alkoxy each having up to 4 carbon atoms,

R² represents hydrogen or straight chain or branched alkyl having up to 3 carbon atoms,

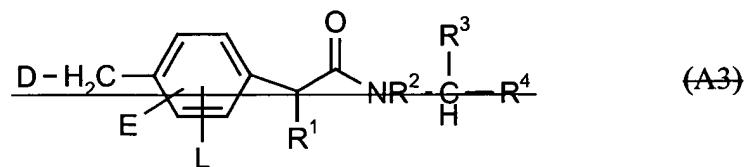
R³ represents hydrogen or straight chain or branched alkyl having up to 5 carbon atoms, or represents cycloalkyl having 3 to 7 carbon atoms, or represents phenyl or a 5- to 7-membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, each of which is optionally substituted up to 3 times, identically or differently, by halogen, nitro, phenyl, hydroxyl or by straight chain or branched alkyl or alkoxy having up to 6 carbon atoms,

R⁴ represents hydrogen or a group of the formula CH_2OH or $\text{CH}_2\text{O CO R}^{11}$,

in which

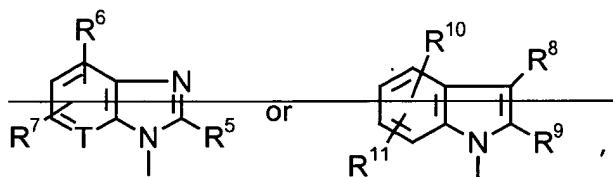
R^{11} denotes hydrogen, straight chain or branched alkyl having up to 8 carbon atoms or phenyl which is optionally substituted up to 3 times, identically or differently, by halogen, hydroxyl, cyano or straight chain or branched alkyl or alkoxy each having up to 4 carbon atoms;

or of the general formula (A3)



in which

D represents a radical of the formula



in which

T denotes a nitrogen atom or the $-\text{CH}-$ group;

R^6 , R^7 , R^{10} and R^{11} are identical or different and denote hydrogen, trifluoromethyl, halogen or straight chain or branched

~~alkyl or alkoxy each having up to 6 carbon atoms,~~

~~R⁵, R⁸ and R⁹ are identical or different and denote hydrogen, cycloalkyl having 3 to 6 carbon atoms, phenyl, straight chain or branched alkoxy carbonyl having up to 6 carbon atoms or straight chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by halogen,~~

~~or, if T represents a nitrogen atom, R⁵ can also denote benzyl,~~

~~E and L are identical or different and represent hydrogen, halogen, trifluoromethyl, hydroxyl, carboxyl or straight chain or branched alkyl, alkoxy or alkoxy carbonyl each having up to 6 carbon atoms,~~

~~R¹ represents cycloalkyl having 3 to 10 carbon atoms or straight chain or branched alkyl having 1 to 10 carbon atoms, or represents phenyl which is optionally substituted up to 2 times, identically or differently, by halogen, cyano, hydroxyl, straight chain or branched alkyl or alkoxy each having up to 4 carbon atoms,~~

~~R² represents hydrogen or straight chain or branched alkyl having up to 3 carbon atoms,~~

~~R³ represents hydrogen or straight chain or branched alkyl having up to 5 carbon atoms, or represents cycloalkyl having 3 to 7 carbon atoms, or~~

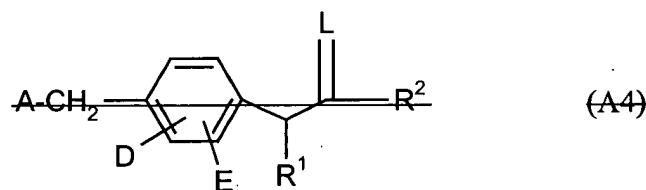
represents phenyl or a 5 to 7 membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, each of which is optionally substituted up to 3 times, identically or differently, by halogen, nitro, phenyl, hydroxyl or by straight chain or branched alkyl or alkoxy having up to 6 carbon atoms;

R^4 represents hydrogen or a group of the formula CH_2-OH or $CH_2O-CO-R^{12}$,

in which

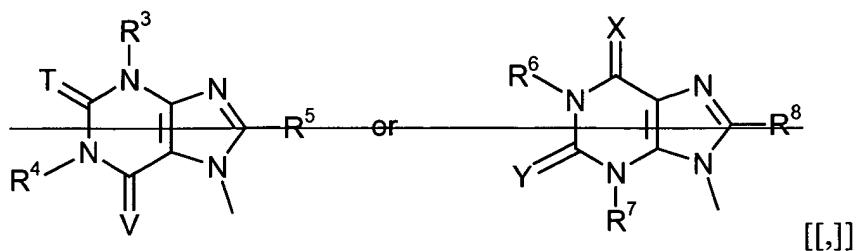
R^{12} denotes hydrogen, straight chain or branched alkyl having up to 8 carbon atoms or phenyl which is optionally substituted up to 3 times, identically or differently, by halogen, hydroxyl, cyano or straight chain or branched alkyl or alkoxy each having up to 4 carbon atoms,

or of the general formula (A4)



in which

A represents a radical of the formula



in which

R^3 , R^4 , R^6 and R^7 are identical or different and

denote hydrogen, cycloalkyl having 3 to 7 carbon atoms or aryl having 6 to 10 carbon atoms;

or denote straight chain or branched alkyl or alkenyl each having up to 8 carbon atoms, each of which is optionally substituted by halogen, hydroxyl or aryl having 6 to 10 carbon atoms;

T , V , X and Y are identical or different and denote an oxygen or sulphur atom;

R^5 and R^8 are identical or different and

denote hydrogen, halogen, cycloalkyl having 3 to 8 carbon atoms or straight chain or branched alkyl or alkenyl each having up to 8 carbon atoms, each of which is optionally substituted by cycloalkyl having 3 to 8 carbon atoms, or by a 5 to 6 membered, aromatic, optionally benzofused heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, or by aryl having 6 to 10 carbon atoms, where the cyclic systems for their part can be substituted up to 3 times, identically or differently, by a 5 to 6 membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, or by phenyl, benzyl, halogen, hydroxyl, carboxyl or by straight chain or branched alkyl,

alkoxy or alkoxy carbonyl each having up to 6 carbon atoms, or denote aryl having 6 to 10 carbon atoms or a 5 to 7 membered aromatic, optionally benzo-fused heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, each of which is optionally substituted up to 3 times, identically or differently, by halogen, phenyl, trifluoromethyl, hydroxyl, carboxyl or by straight chain or branched alkyl, alkoxy or alkoxy carbonyl each having up to 6 carbon atoms or by a group of the formula $(CO)_a NR^9 R^{10}$,

in which

a denotes a number 0 or 1,

R^9 and R^{10} are identical or different and denote hydrogen, phenyl or straight chain or branched alkyl or acyl each having up to 5 carbon atoms,

D and E are identical or different and

represent hydrogen, halogen, trifluoromethyl, hydroxyl, carboxyl or straight chain or branched alkyl, alkoxy or alkoxy carbonyl each having up to 6 carbon atoms,

R^1 represents hydrogen or cycloalkyl having 3 to 8 carbon atoms, or represents straight chain or branched alkyl or alkenyl each having up to 8 carbon atoms, each of which is optionally substituted by cycloalkyl having 3 to 6 carbon atoms, phenyl or by a 5 to 6 membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, or represents phenyl or a 5 to 6 membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O, the ring systems

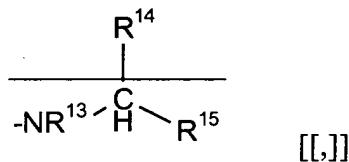
optionally being substituted up to 3 times, identically or differently, by halogen, phenyl, trifluoromethyl or straight chain or branched alkyl or alkoxy each having up to 5 carbon atoms, hydroxyl or by a group of the formula $NR^{11}R^{12}$,

in which

R^{11} and R^{12} have the meaning of R^9 and R^{10} indicated above and are identical to or different from this;

L represents an oxygen or sulphur atom;

R^2 represents mercapto, hydroxyl, straight chain or branched alkoxy having up to 8 carbon atoms or the group of the formula



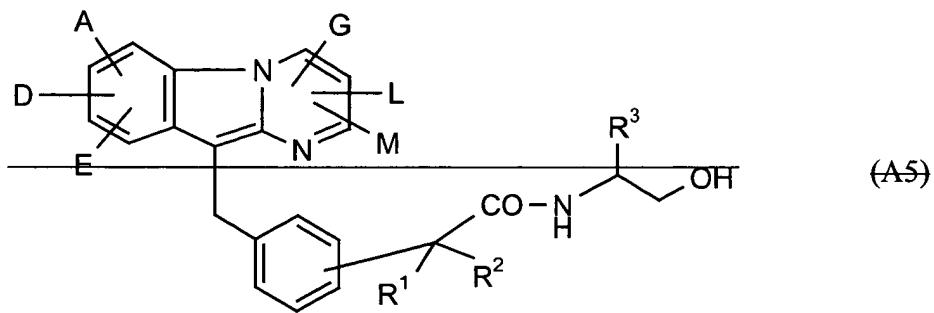
in which

R^{13} denotes hydrogen or straight chain or branched alkyl having up to 4 carbon atoms;

R^{14} denotes hydrogen, phenyl or a 5 to 6 membered aromatic heterocycle having up to 3 heteroatoms from the group consisting of S, N and/or O;

R^{15} denotes hydrogen or straight chain or branched alkyl having up to 8 carbon

atoms, which is optionally substituted by hydroxyl,
or of the general formula (A5)



in which

A, D, E, G, L and M are identical or different and

represent hydrogen, halogen, trifluoromethyl, carboxyl, hydroxyl, straight chain or branched alkoxy or alkoxy carbonyl each having up to 6 carbon atoms or straight chain or branched alkyl having up to 6 carbon atoms, which for its part can be substituted by hydroxyl or by straight chain or branched alkoxy having up to 4 carbon atoms;

R¹ and R² are identical or different and

represent hydrogen, cycloalkyl having 3 to 8 carbon atoms or straight chain or branched alkyl having up to 10 carbon atoms, which is optionally substituted by cycloalkyl having 3 to 6 carbon atoms or
represent phenyl which is optionally substituted by halogen or trifluoromethyl, or

R¹ and R², together with the carbon atom, form a 4 to 8 membered cycloalkyl ring

and

R^3 represents phenyl which is optionally substituted up to 3 times, identically or differently, by nitro, carboxyl, halogen, cyano or by straight chain or branched alkenyl or alkoxycarbonyl each having up to 6 carbon atoms or by straight chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl, carboxyl or by straight chain or branched alkoxy or alkoxycarbonyl each having up to 6 carbon atoms,

and/or is optionally substituted by a group of the formula OR^4 or NR^5R^6 ,

in which

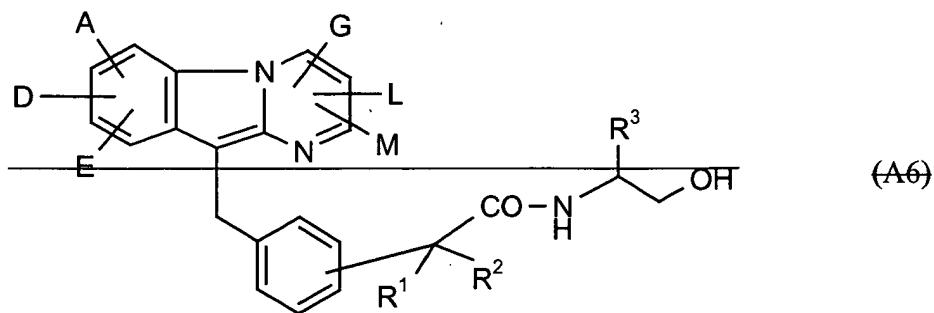
R^4 denotes hydrogen or straight chain or branched alkyl or alkenyl each having up to 6 carbon atoms,

R^5 and R^6 are identical or different and denote phenyl, hydrogen or straight chain or branched alkyl having up to 6 carbon atoms, or denote straight chain or branched acyl having up to 8 carbon atoms, which is optionally substituted by a group of the formula NR^7R^8 ,

in which

R^7 and R^8 are identical or different and denote hydrogen or straight chain or branched acyl having up to 8 carbon atoms,

or of the general formula (A6)



in which

~~A, D, E, G, L and M are identical or different and~~

~~represent hydrogen, halogen, trifluoromethyl, carboxyl, hydroxyl, straight chain or branched alkoxy or alkoxy carbonyl each having up to 6 carbon atoms or straight chain or branched alkyl having up to 6 carbon atoms, which for its part can be substituted by hydroxyl or by straight chain or branched alkoxy having up to 4 carbon atoms;~~

~~R¹ and R² are identical or different and~~

~~represent hydrogen, cycloalkyl having 3 to 8 carbon atoms or straight chain or branched alkyl having up to 10 carbon atoms, which is optionally substituted by cycloalkyl having 3 to 6 carbon atoms, or~~
~~represent phenyl which is optionally substituted by halogen or trifluoromethyl, or~~

~~R¹ and R², together with the carbon atom, form a 4 to 8 membered cycloalkyl ring~~

and

~~R³ represents phenyl which is optionally substituted up to 3 times, identically or differently, by nitro, carboxyl, halogen, cyano or by straight chain or branched~~

alkenyl or alkoxy carbonyl each having up to 6 carbon atoms or by straight chain or branched alkyl having up to 6 carbon atoms, which is optionally substituted by hydroxyl, carboxyl or by straight chain or branched alkoxy or alkoxy carbonyl each having up to 6 carbon atoms,
and/or is optionally substituted by a group of the formula OR^4 or NR^5R^6 ,

in which

R^4 denotes hydrogen or straight chain or branched alkyl or alkenyl each having up to 6 carbon atoms,

R^5 and R^6 are identical or different and denote phenyl, hydrogen or straight chain or branched alkyl having up to 6 carbon atoms,
or denote straight chain or branched acyl having up to 8 carbon atoms,
which is optionally substituted by a group of the formula NR^7R^8 ,

in which

R^7 and R^8 are identical or different and
denote hydrogen or straight chain or branched acyl having up to 8 carbon atoms,

if appropriate in an isomeric form, and their salts or a salt thereof,

and component B being at least one HMG-CoA reductase inhibitor.

2. (Previously presented) The method according to Claim 1 wherein said cardiovascular diseases are associated with metabolic diseases or deficits.
3. (Previously presented) The method according to Claim 2 for the control of arteriosclerosis, diseases of the coronary vessels of the heart, raised serum lipids, hypercholesterolaemia, hypertriglyceridaemia and mixed forms which are combined with raised VLDL or LDL and/or raised chylomicrons, and of syndrome X.
4. (Previously presented) The method according to Claim 2 for the treatment of secondary hypercholesterolaemia and secondary hypertriglyceridaemia, which are optionally associated with apolipoprotein E polymorphism, obesity, chylomicronaemia and chylomicronaemia syndrome, renal insufficiency, chronic renal insufficiency, nephrotic syndrome, diabetes mellitus type II, and with hepatomas and plasmacytomas.
5. (Previously presented) The method according to Claim 2, characterized in that component A is a compound of the general formula (A1).
6. (Currently amended) The method according to Claim 2, characterized in that component A is a compound of Examples 1-119 1, 5, 6, 8, 10, 14-20, 25-33, 35-45, 48, 49, 52-55, 63-73, 76, 79, 81-82, 84, 91-94, 105 or 112-118.
7. (Currently amended) The method according to Claim 2, characterized in that component A is a compound of Examples 92-119 92-94, 105 or 112-118.
8. (Currently amended) The method according to Claim 2, characterized in that component A is a compound of Examples 48 or 80 Example 48.

9. (Currently amended) A pharmaceutical composition comprising a combination of an MTP inhibitor as component A and an HMG-CoA reductase inhibitor as component B according to Claim 1 ~~and, if appropriate, one or more further suitable components~~.
10. (Currently amended) A pharmaceutical composition according to Claim 9, characterized in that it contains, as component A, the active compound 2-cyclopentyl-2-[4-(2,4-dimethyl-pyrido[2,3-b]indol-9-ylmethyl)-phenyl]-N-(2-hydroxy-1-phenyl-ethyl)-acetamide or 2-cyclopentyl-2-[4-(2,4-dimethyl-pyrimido[1,2-a]indol-10-ylmethyl)-phenyl]-N-(2-hydroxy-1-phenyl-ethyl)-acetamide and, as component B, the active compound atorvastatin, cerivastatin, simvastatin, pravastatin, lovastatin, fluvastatin, itavastatin or ~~ZD-4522~~ the calcium salt of (+)-(3R,5S)-bis-(7-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methyl-N-methane-sulphonylamino)-pyrimidin-5-yl)-3,5-dihydroxy-6 (E) heptenoic acid.
11. (Previously presented) A pharmaceutical composition according to Claim 9, characterized in that it contains, as component A, the compound (2S)-2-cyclopentyl-2-[4-(2,4-dimethyl-pyrido[2,3-b]indol-9-ylmethyl)-phenyl]-N-(2-(1R)-hydroxy-1-phenyl-ethyl)-acetamide.
12. (Currently amended) A process for the production of a pharmaceutical composition according to Claim 9, characterized in that the components A and B are converted into ~~an~~ suitable administration form with excipients and vehicles ~~and, if appropriate, with further components~~.